ANNEXURE VII

CENTRAL RESEARCH INSTITUTE (H), NOIDA

A. INSTRUMENTS FOR PHYSICO-CHEMICAL LABORATORY

Sl. No.	Name of Instruments	Specifications	Quantity required
1/PCL	**Double beam U.V. Spectrophotometer (With software)**	**Wavelength range** 190 nm ï 1100 nm **Spectral Bandwidth <**2 nm **Resolution** 1.6 nm **Wavelength accuracy** UV/VIS region: ± 0.3 nm **Wavelength repeatability** UV/VIS region: less than ±0.3 nm **Stray light** < 0.02% (220 nm, NaI) < 0.02% (340 nm, NaNO2) < 1.0% (198 nm, KCl) **Noise level** < 0.00005 or better **Photometric System Real** Double beam with double dual detector **Photometric accuracy** ±0.002 Abs at 0.5 Abs;±0.004 Abs at 1.0 Abs; ±0.006 Abs at 2.0 Abs **Photometric range** -3 to 3 Abs **Photometric repeatability** < ±0.002 Abs at 0.5 Abs < ±0.001 Abs at 1 Abs <±0.003 Abs at 2 Abs **Baseline stability** < ±0.003 Abs/Hr **Baseline flatness**< ±0.0006 Abs(190 nm ï 1100 nm, one hour after light source turned on) **Detector:** 2 Silicon photodiode detectors **Light source** 20 W halogen/D2 lamp *Comprehensive five years warranty. Suitable branded computer and software with printer. All operational modes as standard ï Photometric; Spectrum; Quantitation; Kinetics, Time Scan, DNA and Protein Quantitation in stand-alone and PC mode. Additionally Multi-Component measurement should be available in stand-alone mode. **Essential Accessories:** 1.Solid Sampling Attachment (diffuse reflectance) with integrating sphere for soild, powder etc. 2. Turbid sample analysis accessories. 3**.** Two pairs of quartz cuvette (imported) of 10 mm path length, 3.5ml volume to be supplied as standard. **Optional.: 1.** Spare high intensity Tungsten-Halogen and Deuterium lamp each.	One

2/PCL	**Digital Polarimeter**	**Measurement Scales** **Angular Degrees** (°A)- Sugar - ISS (°Z)-with automated temperature compensation Measurement Reading: - Angle of Rotation ±90° - International Suger scale: -225 to +225 incl. Specific Rotation, Purity, % Concentration, Invert Sugar, Inversion % etc **Measurement accuracy:** **Angle of Rotation:** **Displayed value ± 0.02°** **Relative precision ±0.2%** **International Sugar Scale :** **Displayed value ±0.05°Z** **Relative precision ±0.2%** **Resolution:** **Angular Degrees (°A)-** 0.01 / 0.001 **Sugar Resolution-** ISS (°Z)- 0.01 / 0.001 **Angular Degrees (°A)-** ±0.01 **Sugar - ISS (°Z)-** ±0.03 **Reproducibility:** 0.002°A **Temperature compensation range for International Sugar Scale :** 10.0 to 30.0°C **Reading Time (s**)- 4 - 30 seconds (selectable) **Interfaces-** 1 Parallel (printer), 2 x Serial (RS232) **Sample Illumination-** Light Emitting Diode 589nm **Stored Results-** 700 Readings **Calibration:** Automatic calibration **Sample compartment:** sample tubes upto 200mm **IQ, OQ PQ documents** **Accessories:** Observation tubes (100mm [5m], 200mm [10m]) : Two pair of each **UKAS/NIST/CE** Calibration certificate **Traceability certificate** *Comprehensive five years warranty.	One

3/PCL	**Digital Refracto-meter**	**Refractive Index** 1.32 ï 1.70 **Sugar (°Brix)** 0-100 Resolution **Refractive Index** 0.00001 **Sugar (°Brix)** 0.01Accuracy **Refractive Index** ±0.00002 **Sugar (°Brix)** ±0.02 **Presser Type** Polyacetal **Temperature Compensation** **Sucrose (°Brix)** 5 ï 80 °C **AG Fluids** Simple coefficient (units/°C) **Light source:** LED or any other compatible source. **Calibration:** 1, 2 or full multi-point calibration *Comprehensive five years warranty. **UKAS/NIST/CE: Calibration Certificate** **Traceability certificate** **IQ, OQ PQ documents**	One
4/PCL	**Ultra pure Water System**	**STAGE-1 Pretreatment system**: Three stage pretreatment system with 10, 5 & 1 micron spun filters with 10ò long housing for removal of suspended particles and to take care of F.I. and Chlorine in feed water. **ANALYTICAL GRADE WATER SYSTEM**: The system should respond favourably to feed water having Fouling Index (FI) approx 10, total Free Chlorine <0.5 ppm and Feed Water Conductivity up to 2000 µs/cm; maximum silica 30 ppm. **STAGE-2** Second stage system should have purification process; primary purification by a pre-*treatment* , secondary purification through RO membrane, final purification step should involve a self-regenerating Electro-deionization module to avoid cartridge replacement. System should be microprocessor controlled with continuous water purity monitoring. System should have photo-oxidation technology (with UV lamp) ensuring that bacteria counts are low. System should have unique integral recirculation ensures optimum water quality at point of dispense.	One

		<u>Product Water Quality</u> : Resistivity : 10 to >15 mÝ at 25 deg. C (megaohm C). TOC : <20 ppb Bacteria : <1 cfu/ml Flow rate : 10 liters / Hr at 25 deg. C. pH : Effectively neutral. System should have 25 liters HDPE reservoir with level sensors and switches from Original Manufacturer. The water purification system should display the water level in %age and graphical manner to know the water level in the reservoir. <u>STAGE -3</u> Third Stage system should have facility to remove Ionic and organic impurities by the polishing purification pack. Product water resistivity and temperature are measured before dispense and indicate when the purification pack needs to be replaced. System should have auto volume dispense for drop by drop facility like a pipette (50ml to 7500ml). System should have on-line monitoring for Resistivity or Conductivity and TOC. System should have height adjustable dispenses point which glides easily up and down to accommodate any size of container. System should have one time sanitization for 1 year. The water within the unit should be recirculated through the purification technologies to maintain purity. The system should have the safety feature includes ï Low feed Shut-Off, Audio-Visual Alarms, PIN coded system settings, Dispense shut-off during disinfection Auto-restart. The system should meet ASTM Type I, ISO 3696, NCCLS Type I and USP & EP specification. The system should be European CE and UL certified as well as ISO 9001 for quality products. Cartridge identification technology provides full traceability and history of each cartridge for full validation and other GLP requirements. The system to be supplied with validation documents like IQ, OQ and PQ for system validation.	

		Output Details: **Inorganic** : 18.2M Ω -cm @ 25°C **TOC** : <5 ppb with RO water feed **Bacteria** : < 0.1 CFU/ml **Bacteria endotoxin:** : <0.001EU/ml **DNase** : <25 pg/ml **RNase** : <0.004 ng/ml **Flow Rate** : 2 Ltr./min. **Particles** : Ultrafilteration The system should be supplied with five years consumables for trouble free operation so that institute does not require spending any money on the consumables for at least five year. *Comprehensive five years warranty.	
5/PCL	**H.P.T.L.C**	**HPTLC SYSTEM MANAGER** System Manager Software for control, interlinks, documentation of HPTLC analysis by linking all electronic instruments. Single keyboard control of all microprocessor controlled HPTLC system components like application, development chamber, scanner and photodoc. 32bit architecture. Windows XP / Vista based. Scalable. State of art on-line help. Built-in tutorials. Hierchial access. Full method documentation. One file report for one analysis. Latest Version. **SAMPLE APPLICATION DEVICE (Spot & band)** Automatic sample applicator with manual sample changeover. Four mode applicator 1) Quantitative, 2) In - situ clean-up, 3) Micro preparative 4) Superimpose. PC controlled or stand alone use.10 methods stored. Infinite method storage in PC. Spray on, contactless sample application. Vol. range 0.1micro ltr. to 500 micro ltr. Sample application rate automatically chosen by computer after solvent name is entered. Parameter entry via keyboard or PC. 4 functions LED display. Band length selectable - Zero (spot) to 190 mm. Sample positioning anywhere on x & y axis. (in-situ clean-up) Sample delivery resolution: 1,200 steps /micro ltr. / 100 micro ltr. Syringe (equi. to 12,000 steps/micro ltr. / 10 micro ltr. syringe) Any size foil accepted. Computer controlled dead volume elimination. 32 samples per method. Any	One One

		size plate upto 200 x 200 mm. Any thickness of plate or foil, upto 4 mm thick. Auto leveling of layer. Sample does not come in contact with Linomat. Accepts 100 ul and 500 ul syringe. N_2 gas sprays to prevent oxidation. (cylinder required) On line gas pressure check possible. Auto alignment of syringe position On screen display of application pattern. Diagnostics built-in. Qualification built-in. 85-250 V, 47-63 Hz power. Sample data input directly available for densitometry, through HPTLC System Manager. Link to HPTLC System Manager with multiwavelenth (Optional software).Ready to use. **CHROMATOGRAM DEVELOPMENT DEVICES** **Twin Trough Chamber for 20 x 20 cm plates with S.S. lid.** Only 15ml mobile phase per plate, no grease required, vapour phase control of humidity and / or pH by using the second trough. **Twin Trough Chamber for 20 x 10 cm plates** with s.s. lid, smaller size but with all above features, only 12 ml mobile phase per plate. **Twin Trough Chamber for 10 x 10 cm plates** with s.s. lid, smaller size but with all above features, only 4 ml mobile phase per plate. **POST CHROMATOGRAPHY PHOTORECORDING SYSTEM** **PHOTODOCUMENTATION SYSTEM** **Documentation & Evaluation System:** Consisting of illumination unit with visible/white light, UV254, UV366, Visible/white light transmitted and professional 12 bit digital camera with 12 mm lens. Suited for object formats up about 21x28 cm (20x20 cm TLC plates). A] **Camera:** 12 bit, high resolution industrial camera (4096 grey level resolution) hand made for Individually calibrated (not mass produced) with built in IR & UV filters. Images of the highest quality. Fixed focus for total reproducibility. True colours capture. Very linear response. B] **Illumination:** Newly computer aided design illumination unit. Spring loaded large door for plate keeping. Viewing window to see plate UV light cannot be switched on with door open for safety.	 Two Four Six One

		Audio alarm for wrong operation. Built in slider for various plate sizes. Cover for Camera. 254nm, 366nm (both from top) white light from top & bottom. 60 KHz supply for instant, flicker less illumination. Easy access for changing tubes & filters and PCB. C] **Software:** Equilink to connect to System Manager. 32 bit software. Automatic image optimization Automatic exposure time to suit brightest zone within dynamic range of CCD. Full function annotation. Rf scale. Child image with or w/o ROI (Region of Interest) blow up. Auto image capture at 254nm and or 366nm and or white light. Raw data inaccessible to user. Spot application tool detects smallest fractions. High speed data transfer 1 sec. / image. D] Equilink to connect with software. **Dip Tank 20 x 10, 20X20 cm with lid, Immersion device** For Derivatisation **QUANTITATIVE MEASUREMENT & DATA HANDLING** **TLC Scanner with quantitative evaluation** The most advanced software controlled densitometric evaluation of Thin Layer chromatograms with new features: " Optimized measurement stage for even better reproducibility " Improved signal to noise ratio " Smaller footprint, Re-designed for user comfort " Reproducible data within minutes " Up to 36 tracks within up to 100 substances per track " Extended spectral wavelength 190 -900 nm Computer controlled Scanner / Densitometer for automatic spectrum scanning for identification and purity check. Automatic quantitative measurement by absorbance & fluorescence. All TLC / HPTLC plate sizes acceptable. Scan speed 100 mm / sec @ 25 um resolution, Wavelength range 190-900 nm. Monochromator flushing by nitrogen. Data sampling rate - 4000 / sec. Optics for HPTLC measurements. Spectrum scan speed 100 nm / sec. Max 999 spectra / plate. Visible pilot slit image / scan compartment illumination with UV to check sample alignment with scan beam. D2, Hg, W lamps + self diagnostic + Service dialog + Universal filter for fluorescence all built-in, scan slit size variable, bandwidth selectable 5 & 20nm. EPROM upgradable.	Each one One

		Easy to load plate. Small footprint. Scanner Data Evaluation Data evaluation 32 bit software (latest version), Improved S/N ratio. Improved reproducibility. Linked to System Manager, Automatic / Manual integration, Auto baseline correction. Spot check facility. 3D display with data storage. Calibration - single level, multilevel, linear / non-linear. Statistics CV / CI. Reproducibility checks facility. Auto calculation of data from wts and dil. factors, Computer generated random no. for each report (GLP). Lamp use tracking. 2 level digital user manual. Service Dialog + self Diagnostics + Tutorial all built - in. Meets GLP. IQ-OQ and Optional 21 CFR Rule 11 certification. *Comprehensive five years warranty of all the system. **Essential accessories :** **HPTLC Plates20x20 cm** (Silica gel 60F 254 and without F) must be provided. **N_2 cylinder** with regulator (for purging) **UPS** 2KVA (APC) with stabilizer (30 minute back-up) 100 µl Syrings Teflon Tip Latest configuration PC (Branded) with laser color printer must be provided. **Note:** Indian agent must arrange training at the site of supplier. Training at the time of installation should be also be provided to the respected user. Indian agent must be qualified for IQ-OQ certification.	05 Boxes One One Six 10 packet One

6/PCL	**Analytical balance**	**Calibration** Automatic Internal **Plate Depth** 78 mm **Plate Width** 73 mm **Capacity** 120g **Interface** RS-232C **Linearity** .1 mg **Readability** .01 mg **Repeatability** 0.015-0.03 mg **Stabilization Time** 2.5 sec **Depth** 487 mm **Height** 322 mm **Width** 263 mm **Taring range** 0-120g **Additional Specifications** **Minimum weigh (typical acc. USP):** 21 mg **Sensitivity temperature drift:** 1x100/°C *Comprehensive five years warranty.	One

B. INSTRUMENTS/EQUIPMENTS FOR ZEBRAFISH LABORATORY

S.No	Name of Instrument	Specifications
1/ZFL	**Data Acquisition system**	• The Data Acquisition system should have ability to record on 8 channels simultaneously and should be capable of recording up to 200K samples per second on each channel (400K samples per second aggregate) with 16 bit resolution • Stimulation Output range should be at least: ±200 mV to ±10 V full scale in six steps and Maximum output current ±50 mA • Communication with a high speed plug and play USB only and it should allow variable sampling rates per channel. • The software should record and provide special advanced analysis feature for online and offline analysis. It should allow software controlled sampling rates, range and filter setting. • It should be upgradable to continuously record and display up to 32 channels of data (up to 32 calculated signals).It should include automated analysis and interpretation tools such as beat classifier, averaging, water fall plot, Dose response (EC50) curve plots and many other automatic analysis features. • It should allow user to export Binary, Axon, IGOR, MATLAB, Excel, Graph Pad Prism, QuickTime, Wav, Text etc. • It also has an option for file sharing with distinct user free of cost. • Software should have free update & upgrades for 5 years. • Dual channel Bio-amplifier with suitable needle electrodes for measuring bio-potential (ECG, EMG, EEG etc) in Zebra fish along with ECG, HRV, BP analysis software. A highly sensitive physiological pressure transducer should be supplied for monitoring of beat to beat Blood Pressure analysis. • Software controlled two channel bridge amplifier for measuring force, displacement, and pressure with automatic zeroing circuitry. • Fluid less micro-tip Blood pressure catheter of 2F should be provided along with the system. • The system should be certified by ISO, IEC, should meet European EMC directives, FCC class B Standard. • The system should be supplied with the branded PC with latest configuration, with at least i5 processor, 4 GB or better RAM, 1TB HDD, DVD RW, Genuine Windows 7/8 OS, Monitor 20ò, keyboard and mouse should be provided. UPS 2KvA. **Accessories:** 2 set of needle electrodes, Tabletop farade cage (1.5x1.5x1.5)ft, Tissue bath (OPTIONAL)

		(0-50g) 2 years warranty and 3 years AMC must be quotated
2/ZFL	**Automated real time Zebrafish monitoring system**	Behavior test nesting of analysis based on time windows, presence/ absence in certain zones. Should be capable of generating an extensive range of data automatically for the behavioral parameters like, Path length; turning angles; immobility; freezing; latency to enter zones; dwell time in zones; absolute direction of movements; direction of movements relative to target; frequency of entry into zones; heading relative to target when entering zone and velocity (Min, max, avg.). Should be versatile and adaptable tracking for animal behavior in different maze (arena) or any kind of standard experiments, from mammalians like rodents and zebrafish activity (with heartbeat detection) in 96 titre plates. It should have powerful multi modal animal movement detection software to detect smallest movement accurately under diverse conditions of light, contrast and speed. Should be capable of recording larvae for 96 titer plate and multiple arena for multi animals (rodents) and in each of the arenas an unlimited number of Zones can be defined with the help of flexible drawing tools. Capable of all types of behavioral tests such as Novel object recognition test, Open Field, Elevated plus maze, water maze, porsalt swim test, T maze Zebrafish behaviour tests for adults and larvae, Morris Water maze etc. Retro-adapatable to detect social interaction between multiple animals in one arena. Retro-adapatable to automatic rat behavior detections module Should automatically generate results, with the facility to include data from physiology modules, external device control module in the same data stream and in the same time line. Adaptable to detailed trial control programs built in Automatic start or end of experiment, when pre-defined conditions are met. Further, complete automation with series of trials. Batch analysis with auto data acquiring and overnight analysis.

		Data should be exported of raw & statistical data as (adjustable) Comma Delimited and Comma Quote Delimited, for direct import into Excel or SPSS. Export Images in Windows Enhanced Metafile, Windows Metafile, Bitmap, JPEG or Portable network graphics file. Should equipped with high quality suitable camera GigE, Lens 1/2", C-mount, Wall Mount, with network card, support cables and connectors for various studies Flexible, user configurable synchronized visualization of Tracks, actual video, play back control, physiological signals, experiment details, heat maps for easy data retrieval according to our requirement. The system should be supplied with the branded PC with latest configuration, with at least i5 processor, 4 GB or better RAM, 1TB HDD, DVD RW, Genuine Windows 7/8 OS, Monitor 20ò, keyboard, mouse and UPS 2KvA should be provided. The PC and its configuration should be compatible with the zebrafish monitoring system. Software should have free update & upgrades 2 years warranty and 3 years AMC must be quotated
3/ZFL	**Trinocular Inverted Phase Contrast Microscope with Digital Camera**	**Light Source:** Trinocular inverted Microscope with 6V 30W Halogen lamp, lamp socket; built-in frosted and heat absorbing filters, detachable illuminator. **Eyepiece:** 10X (paired) eyepieces with F.O.V. 20-22mm with diopter adjustment facility on both the eyepieces. **Condenser:** Long working distance condenser should have N.A. 0.3 with W.D. 70-75 mm. **Slider:** Pre-centered phase contrast slider **Observation Tube:** Trinocular tube within main body

		Nosepiece: Quadruple (or better) nosepiece to accommodate at least 4 objectives at a time. **Stage:** Plain stage with attachable auxiliary stage. **Holder:** Universal holder should accommodate flasks, dishes, plates and slides. **Objectives:** Achromat 10X with Phase Long Working Distance Achromat 20X with Phase Long Working Distance Achromat 40X with Phase. Plan Achromat 100X Oil, spring **Photography Attachment** : Colour cooled CCD camera capable of handling brightfield, phase and fluorescence images with 2/3ò high-density CCD chip with resolution of 5.0 million pixels or better, pixel size of 3.4umX3.4um or better, minimum 10 bit output or higher and speed of minimum 25 frames per second (at full field of view). Having peltier device for cooling up to 10 degree Celsius below ambient temperature. Computer attachment by USB / Firewire. **Image Analysis Software**: The software should have the following features:- -Basic camera control, acquisition, Time-lapse FL imaging, Movie Recording, -Intensity measurements, line profile, spatial measurements such as length, width, area, perimeter, etc. -Microscope & camera should be controlled by the microscope manufacturerôs software for better compatibility. **Data Acquisition System:** Branded PC with at least i5 processor, 4 GB or better RAM, Monitor 20ò, 1TB HDD, DVD RW, Genuine Windows 7/8 OS, keyboard and mouse should be provided. **Note:** The quoted microscope should be upgradeable to fluorescence in the future. **Certification:** ISO/CE conformity certified

		Bidders must submit the sole/exclusive distributor certificate issued by the manufacturer. Bidder must have at least five installations in DBT/DST/ICMR or other Govt. Of India Institutes and user list from these institutes must be submitted. Vendor must enclose Proper Principal Catalogue in support for verification of specifications conformity of quoted Microscope in tender. Accessories: spare Halogen lamp should be quotated 2 years warranty and 3 years AMC must be quotated

C. INSTRUMENTS/EQUIPMENT FOR IN-VITRO LABORATORY UNDER BUYBACK SCHEME

Note:The interested manufacturer/distributer may visit the institute on any working day between 10:00 AM to 3:00 pm and personally inspect the old equipment/instrument before submission of their tender under buy back scheme for the below mentioned instruments.

S. NO.	Name of Instrument	Specifications

1/IVL	**Bio safety Cabinet class II (BSL A2) (Vertical)**	**Should have**
		• Bio safety level II **(BSLA2)**
		• Microprocessor controlled
		• At least 2 Airflow sensor
		• Air flow type : Vertical flow
		• Dimension – 4'×2'
		• Air Velocity – min 0.4 to 0.5 m/s +- 20%, Max. 85 (m/s / fpm)
		• Class 4HEPA/ULPA(H14 grade) Efficiency Pre-filter – 99.997% at 0.1 to 0.3 microns with DOP test
		• Washable micro glass fiber Media, Particle board, AL separator Neoprene gaskets
		• Light Intensity at least 800LUX
		• Pre filter: Polyester fibers with an efficiency of 85% (A.F. Test); No. of pre-filter – 1
		• Main body: Steel powder Coating.
		• Working surface: At least 6.0 sq. ft., Single piece stainless steel grade 304
		• Window (Front) : Colorless and transparent UV absorbing 5mm tempered glass
		• Wall (Side) : stainless steel grade 304
		• FL (Fluorescent) Lamp : 30Wx2EA electronically ballasted FL Lamp
		• UV Lamp: 30Wx 1ea electronically ballasted UV Lamp
		• Vibration Level at Work Surface : + 2-5 micrometer
		• Blower motor should be electronically commutated motor
		• Validated with the following Test along with calibration certificate
		  • Air Velocity Test
		  • DOP Testing

		• Particle Count Test • Air Flow Pattern Test Accessories: I UV lamp and 1FL lamp, adjustable base stand with caster 2 years warranty and 3 years AMC must be quotated , Accredited with NSF and CE compliance
2/IVL	**BOD Incubator**	**Double walled , 240-280 liters capacity** i) Outer wall : Should have powder coated steel sheet with resin baked finish ii) Inner wall: Should have high grade Stainless steel (304 grade) with ribs for adjusting removable perforated shelves at the height of 45 mm. The nuts, screws and hinges of the inner chamber shall be of Stainless Steel*. (*SS Grade X07Cr18Ni9 of IS 6911 : 1992) iii) Perforated Stainless Steel (304 grade) detachable Partition tray (2-4 nos.) **Doors: Double Door Type** Should have fully insulated dual-wall door with magnetic rubber gasket. i) Inner Door: Should have full view inner acrylic door with aluminum Channel boundry, closes on a resilient gasket and permits view of the specimens (inside the Incubator), without disturbing the thermal conditions inside the chamber. ii) Outer Door: Should have powder coated steel sheet with resin baked finish **Temperature :-** Range **:**at least 5 ^{o}C to 60^{o}C with digital controller **Control accuracy :** ± 0.1^{o}C or better **Distribution accuracy/ Uniformity :** ± 0.1^{o}C -Should have Micro processor based (PID) controlled digital display of temperature along with calibration certificate by NABL accreditated agency. **Uniform Air circulation :-** With two completely in built motors along with fan to keep the temperature uniform throughout the chamber **Safety features** :- Should have provision for audio- visual alarm to indicate i) Door opening after 2 min. ii) Self diagnosis function including overheat Prevention and Over current Protection. iii) Should have automatic power cutoff from the heater and the fan if the door is open to minimize heat loss and also to protect the operator. **Other features: -** Temperature recorder for inner chamber with maintenance free battery backup and auto

		charging of battery. It should have CFC Free, Vibration free, Noise free **Voltage Stabilizer :-** Automatic Stabilizer, 4 KVA with TDR **Certification:** ISO certified **Accessories:** 1 lamp 2 years warranty and 3 years AMC must be quotated

TERMS AND CONDITIONS:

- ISO-certified, in compliance with Ph. Eur, USP, ASTM, TGA /European CE certificates must be attached by the firm.
- Original printed brochure with highlighting the above specifications must be attached by the firm.
- Minimum three years performance certificates along with valid contact details of user list must be attached by the firm.
- Successful installation along with demonstration before the team is must before the supply order.
- Minimum last five years ITR must be attached by the firm.